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| NEWS         | 1   |        | Web Page for STN Seminar Schedule - N. America  |
| NEWS         | 2   | JAN 02 | STN pricing information for 2008 now available  |
| NEWS         | 3   | JAN 16 | CAS patent coverage enhanced to include exemplified prophetic substances              |
| NEWS         | 4   | JAN 28 | USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats          |
| NEWS         | 5   | JAN 28 | MARPAT searching enhanced   |
| NEWS         | 6   | JAN 28 | USGENE now provides USPTO sequence data within 3 days of publication                  |
| NEWS         | 7   | JAN 28 | TOXCENTER enhanced with reloaded MEDLINE segment                                      |
| NEWS         | 8   | JAN 28 | MEDLINE and LMEEDLINE reloaded with enhancements                                      |
| NEWS         | 9   | FEB 08 | STN Express, Version 8.3, now available   |
| NEWS         | 10  | FEB 20 | PCI now available as a replacement to DPICI   |
| NEWS         | 11  | FEB 25 | IFIREF reloaded with enhancements   |
| NEWS         | 12  | FEB 25 | IMSPRODUCT reloaded with enhancements   |
| NEWS         | 13  | FEB 29 | WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification |
| NEWS         | 14  | MAR 31 | IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats               |
| NEWS         | 15  | MAR 31 | CAS REGISTRY enhanced with additional experimental spectra                            |
| NEWS         | 16  | MAR 31 | CA/CAPLUS and CASREACT patent number format for U.S. applications updated             |
| NEWS         | 17  | MAR 31 | LPICI now available as a replacement to LDPCI   |
| NEWS         | 18  | MAR 31 | EMBASE, EMBAL, and LEMBASE reloaded with enhancements                                 |
| NEWS         | 19  | APR 04 | STN AnaVist, Version 1, to be discontinued  |
| NEWS         | 20  | APR 15 | WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats             |
| NEWS         | 21  | APR 28 | EMBASE Controlled Term thesaurus enhanced   |
| NEWS         | 22  | APR 28 | IMSRSEARCH reloaded with enhancements   |
|              |   |        |   |
| NEWS EXPRESS | FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,<br>AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008 |        |   |
|              |   |        |   |
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| NEWS LOGIN   | Welcome Banner and News Items   |        |   |
| NEWS IPC8    | For general information regarding STN implementation of IPC 8                                       |        |   |

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\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 16:55:15 ON 06 MAY 2008

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SESSION

FULL ESTIMATED COST

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0.21

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=> S l1 (6A) (recombinant or clone or cloning or cloned or heterologous expression or complementation or sequence or dna or vector or plasmid or overexpress or transduction or transformation or transfection or transfect or transfect or host cell)

L2 20 L1 (6A) (RECOMBINANT OR CLONE OR CLONING OR CLONED OR HETEROLOGO  
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OR PLASMID OR OVEREXPRESS OR TRANSDUCTION OR TRANSFORMATION OR  
TRANSFECTION OR TRANSFECTED OR TRANSFECT OR HOST CELL)

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L3 11 DUPLICATE REMOVE L2 (9 DUPLICATES REMOVED)

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L3 ANSWER 1 OF 11 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights  
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AN 2007564307 EMBASE

TI Co-expression of LKB1, MO25 $\alpha$  and STRAD $\alpha$  in bacteria yield the  
functional and active heterotrimeric complex.

AU Neumann, Dietbert (correspondence); Suter, Marianne; Tuerk, Roland; Riek,  
Uwe; Wallimann, Theo

CS ETH Zurich, Institute of Cell Biology, HPM D23, Schafmattstr. 18, Zurich  
8093, Switzerland. dietbert.neumann@cell.biol.ethz.ch

SO Molecular Biotechnology, (Jul 2007) Vol. 36, No. 3, pp. 220-231.

Refs: 25

ISSN: 1073-6085

CY United States

DT Journal; Article

FS 029 Clinical and Experimental Biochemistry

LA English  
 SL English  
 ED Entered STN: 4 Dec 2007  
 Last Updated on STN: 4 Dec 2007

=> d l3 1-11 bib

L3 ANSWER 1 OF 11 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights reserved on STN DUPLICATE 1  
 AN 2007564307 EMBASE  
 TI Co-expression of LKB1, MO25a and STRADA in bacteria yield the functional and active heterotrimeric complex.  
 AU Neumann, Dietbert (correspondence); Suter, Marianne; Tuerk, Roland; Riek, Uwe; Wallimann, Theo  
 CS ETH Zurich, Institute of Cell Biology, HPM D23, Schafmattstr. 18, Zurich 8093, Switzerland. dietbert.neumann@cell.biol.ethz.ch  
 SO Molecular Biotechnology, (Jul 2007) Vol. 36, No. 3, pp. 220-231.  
 Refs: 25  
 ISSN: 1073-6085  
 CY United States  
 DT Journal; Article  
 FS 029 Clinical and Experimental Biochemistry  
 LA English  
 SL English  
 ED Entered STN: 4 Dec 2007  
 Last Updated on STN: 4 Dec 2007

L3 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2006:700088 CAPLUS  
 DN 145:165537  
 TI Proteins present at increased levels in CD25-positive regulatory T cells and their use in the diagnosis and treatment of immune disorders  
 IN Lutter, Petra; Jonuleit, Helmut; Weingarten, Petra; Schmitt, Edgar; Meyer, Helmut E.  
 PA Protagen AG, Germany  
 SO PCT Int. Appl., 109 pp.  
 CODEN: P1XXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

|      | PATENT NO.             | KIND   | DATE     | APPLICATION NO.      | DATE     |
|------|------------------------|--|----------|----------------------|----------|
| PI   | WO 2006074891          | A2   | 20060720 | WO 2006-EP122        | 20060110 |
|      | WO 2006074891          | A3   | 20070104 |                      |          |
|      | W:                     | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |          |                      |          |
|      | RW:                    | AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM   |          |                      |          |
|      | DE 102005002110        | A1   | 20060727 | DE 2005-102005002110 | 20050117 |
| PRAI | DE 2005-102005002110 A |  | 20050117 |                      |          |

L3 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2005:447673 CAPLUS  
 DN 143:20875  
 TI Differentially expressed gene profile for diagnosing and treating mental disorders  
 IN Akil, Huda; Atz, Mary; Bunney, William E., Jr.; Choudary, Prabhakara V.; Evans, Simon J.; Jones, Edward G.; Li, Jun; Lopez, Juan F.; Myers, Richard; Thompson, Robert C.; Tomita, Hiroaki; Vawter, Marquis P.; Watson, Stanley  
 PA The Board of Trustees of the Leland Stanford Junior University, USA  
 SO PCT Int. Appl., 226 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 2005046434   | A2   | 20050526 | WO 2004-US36784 | 20041105 |
|      | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          |
|      | RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
|      | US 20050209181  | A1   | 20050922 | US 2004-982556  | 20041104 |
|      | AU 2004289247   | A1   | 20050526 | AU 2004-289247  | 20041105 |
|      | CA 2543811  | A1   | 20050526 | CA 2004-2543811 | 20041105 |
|      | EP 1680009  | A2   | 20060719 | EP 2004-800741  | 20041105 |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS, YU   |      |          |                 |          |
| PRAI | US 2003-517751P   | P    | 20031105 |                 |          |
|      | US 2004-982556  | A    | 20041104 |                 |          |
|      | WO 2004-US36784   | W    | 20041105 |                 |          |

L3 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:99615 CAPLUS  
 DN 142:193335  
 TI Phosphorylation and activation of human AMPK kinase and AMPK-related kinases by LKB1 complex, and drug screening and therapeutic applications  
 IN Hardie, David Grahame; Alessi, Dario; Boudeau, Jerome  
 PA University of Dundee, UK  
 SO PCT Int. Appl., 208 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

|    | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|----|---|------|----------|-----------------|----------|
| PI | WO 2005010174   | A2   | 20050203 | WO 2004-GB3096  | 20040716 |
|    | WO 2005010174   | A3   | 20050630 |                 |          |
|    | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          |

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,  
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
 SN, TD, TG

EP 1651673 A2 20060503 EP 2004-743435 20040716  
 EP 1651673 B1 20080416

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK

JP 2007530000 T 20071101 JP 2006-520011 20040716  
 US 20070036793 A1 20070215 US 2006-565058 20060621

PRAI GB 2003-16725 A 20030717  
 GB 2003-30078 A 20031220  
 WO 2004-GB3096 W 20040716

L3 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:973707 CAPLUS  
 DN 143:474745  
 TI Fission yeast MO25 protein is localized at SPB and septum and is essential  
 for cell morphogenesis  
 AU Kanai, Muneyoshi; Kume, Kazunori; Miyahara, Kohji; Sakai, Keisuke;  
 Nakamura, Keigo; Leonhard, Klaus; Wiley, David J.; Verde, Fulvia; Toda,  
 Takashi; Hirata, Dai  
 CS Department of Molecular Biotechnology, Graduate School of Advanced  
 Sciences of Matter, Hiroshima University, Higashi Hiroshima, Japan  
 SO EMBO Journal (2005), 24(17), 3012-3025  
 CODEN: EMJODG; ISSN: 0261-4189  
 PB Nature Publishing Group  
 DT Journal  
 LA English  
 RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 11 MEDLINE on STN DUPLICATE 2  
 AN 2005243904 MEDLINE  
 DN PubMed ID: 15644453  
 TI Long-chain acyl-CoA esters inhibit phosphorylation of AMP-activated  
 protein kinase at threonine-172 by LKB1/STRAD/MO25.  
 AU Taylor E B; Ellingson W J; Lamb J D; Chesser D G; Winder W W  
 CS Department of Physiology and Developmental Biology, Brigham Young Univ.,  
 Provo, Utah 84602, USA.  
 SO American journal of physiology. Endocrinology and metabolism, (2005 Jun)  
 Vol. 288, No. 6, pp. E1055-61. Electronic Publication: 2005-01-11.  
 Journal code: 100901226. ISSN: 0193-1849.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200506  
 ED Entered STN: 11 May 2005  
 Last Updated on STN: 17 Jun 2005  
 Entered Medline: 16 Jun 2005

L3 ANSWER 7 OF 11 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights  
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 AN 2005236530 EMBASE  
 TI Long-chain acyl-CoA esters inhibit phosphorylation of AMP-activated  
 protein kinase at threonine-172 by LKB1/STRAD/MO25.  
 AU Taylor, E.B.; Ellingson, W.J.; Lamb, J.D.; Chesser, D.G.; Winder, W.W.  
 (correspondence)  
 CS Department of Physiology and Developmental Biology, Brigham Young

University, Provo, UT, United States. william\_winder@byu.edu  
 AU Winder, W.W. (correspondence)  
 CS 545 WIDB, Brigham Young Univ., Provo, UT 84602, United States. william\_winder@byu.edu  
 SO American Journal of Physiology - Endocrinology and Metabolism, (Jun 2005)  
 Vol. 288, No. 6 51-6, pp. E1055-E1061.  
 Refs: 61  
 ISSN: 0193-1849 CODEN: AJPM9  
 CY United States  
 DT Journal; Article  
 FS 002 Physiology  
 029 Clinical and Experimental Biochemistry  
 LA English  
 SL English  
 ED Entered STN: 16 Jun 2005  
 Last Updated on STN: 16 Jun 2005

L3 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2004:125511 CAPLUS  
 DN 141:136077  
 TI Complexes between the LKB1 tumor suppressor, STRADA/ $\beta$  and MO25a/ $\beta$  are upstream kinases in the AMP-activated protein kinase cascade  
 AU Hawley, Simon A.; Boudeau, Jerome; Reid, Jennifer L.; Mustard, Kirsty J.; Udd, Lina; Makela, Tomi P.; Alessi, Dario R.; Hardie, D. Grahame  
 CS Wellcome Trust Biocentre, University of Dundee, Dundee, DD1 5EH, UK  
 SO Journal of Biology (London, United Kingdom) (2003), 2(4), No pp. given  
 CODEN: JBOIAW; ISSN: 1475-4924  
 URL: <http://jbiol.com/content/pdf/1475-4924-2-28.pdf>  
 PB BioMed Central Ltd.  
 DT Journal; (online computer file)  
 LA English  
 RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2000:296572 CAPLUS  
 DN 133:235198  
 TI Chlorophyll breakdown in Chlorella protothecoides: characterization of degreening and cloning of degreening-related genes  
 AU Hortensteiner, Stefan; Chinner, Joanne; Matile, Philippe; Thomas, Howard; Donnison, Iain S.  
 CS Institute of Plant Biology, University of Zurich, Zurich, 8008, Switz.  
 SO Plant Molecular Biology (2000), 42(3), 439-450  
 CODEN: PMBIDB; ISSN: 0167-4412  
 PB Kluwer Academic Publishers  
 DT Journal  
 LA English  
 RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 11 MEDLINE on STN DUPLICATE 3  
 AN 96268479 MEDLINE  
 DN PubMed ID: 8672247  
 TI Molecular characterization of the Drosophila Mo25 gene, which is conserved among Drosophila, mouse, and yeast.  
 AU Nozaki M; Onishi Y; Togashi S; Miyamoto H  
 CS Research Institute for Microbial Diseases, Osaka University, Osaka, Japan.  
 SO DNA and cell biology, (1996 Jun) Vol. 15, No. 6, pp. 505-9.  
 Journal code: 9004522. ISSN: 1044-5498.  
 CY United States

DT Journal; Article; (JOURNAL ARTICLE)  
(RESEARCH SUPPORT, NON-U.S. GOV'T)

LA English

FS Priority Journals

OS GENBANK-AB000402

EM 199608

ED Entered STN: 22 Aug 1996

Last Updated on STN: 3 Mar 2000

Entered Medline: 12 Aug 1996

L3 ANSWER 11 OF 11 MEDLINE on STN

DUPLICATE 4

AN 93119656 MEDLINE

DN PubMed ID: 8418809

TI Molecular cloning of a novel mRNA sequence expressed in cleavage stage mouse embryos.

AU Miyamoto H; Matsushiro A; Nozaki M

CS Department of Microbial Genetics, Osaka University, Japan.

SO Molecular reproduction and development, (1993 Jan) Vol. 34, No. 1, pp. 1-7.

Journal code: 8903333. ISSN: 1040-452X.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199302

ED Entered STN: 26 Feb 1993

Last Updated on STN: 26 Feb 1993

Entered Medline: 5 Feb 1993